

NOTESHEET

Subject: Re-Revision of Orange Line PC-1 at the cost of PKR 5847.436 million.

1. The Orange Line PC-1 (Corrected Revised) was approved in March 2021 at the total cost of PKR 4290.772 million. Copy of Administrative Approval is placed at **Annexure A**.
2. Based on the Facilitation and Implementation (**the F&I**) agreement signed between the SIDCL and TMTD dated 27th November 2020, Article 3 (**Mandate** – Clause 5), copied below for ready reference:

“Besides estimated costs for procurement and operations, GoS shall pay SIDCL, on demand, any actual charges for the Orange Line BRTS procurement and operations, including increase in price under Project Contracts due to variation, taxes and insurance charges.”

3. A Summary to the Honorable CM Sindh (Summary # 161 dated 14 March 2022) seeking out-of-budget funds of PKR 1178.488 million for the completion of the Project. Subsequently, two meetings were convened under the chairmanship of the Chairman P&D Board dated 24th May 2022 and 7th June 2022 on the said matter. Following were the relevant decisions taken in the meeting of 7th June 2022 [minutes of meeting attached at **Annexure B**] that warranted the Re-Revision of the PC-1.

“ iii) The Re-Revision of the PC-1 (current approved cost of PKR 4.290 billion) to be carried out considering the completion of Orange BRT, additional works undertaken based on the SIDCL observations and subsequent operation of Orange BRT.”

4. In the compliance of the said meeting, a Re-Revised PC-1 has been drafted with total cost of PKR 5847.436 million including component of PKR 2982.116 million to be paid to the SIDCL vide their letter No. SIDCL/OI-BRTS/2022/11015 dated 14th October 2022 [**Annexure B**]. A consolidated summary of cost estimates is attached at [**Annexure C**] indicating the cost details of Infrastructure component undertaken by SMTA and the Operations component being undertaken by SIDCL.

Cost Summary:

5. In the above mentioned cost estimates summary, the total cost of Infrastructure head i.e. PKR 2805.319 million has been calculated based on the expenditures incurred as verified by project consultants i.e. M/s NESPAK and a tentative provision in anticipation of the infrastructure contracts closure (i.e. final entire bills), the Extension of Time yet to be determined and hence any potential escalations as per the contract provisions. All the payments that will be made to the contractor will be scrutinized and recommended by the project consultants, as *The Engineer* (reference incumbent FIDIC contract). It may be noted that the head of “Total Construction Cost” includes a total of PKR 1471.197 million whereas a provision against retention monies kept of PKR 65.672 million of contractors to be returned. Similarly, a total of PKR 350 million has been included in the head of Escalation. It may be noted that these provisions are tentative considering the above mentioned reasons.
6. A brief table mentioning the cost provisions for Infrastructure and Operations is mentioned below for ready reference:

i.	Infrastructure Component (undertaken by SMTA)	PKR 2,805,319,038
ii.	Bus Operations and ITS (undertaken by SIDCL based on F&I agreement) [This also includes a provision of PKR 60million for rectification of lifts and escalators in Package 1. The amount, if approved, will be paid to the SIDCL, for incorporation in their O&M contracts to undertake this rectification]	PKR 3,042,116,966
	TOTAL Re-Revised PC-1 cost	PKR 5,847,436,004

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03/Nov/2022

7. A total of PKR 100 million has been included in the cost summary including the salary component of two officers of Project Management Unit of Orange Line (Admin & Account officer and IT Manager) and some miscellaneous expenditure in anticipation.
8. A total of PKR 251.833 million has been included in the cost summary with provision of payments to be made to detail design and construction supervision consultants i.e. M/s NESPAK until September 2022 as well as one year fees of defect liability period.
9. A provision of PKR 60 million has been included in the cost estimates for rectification of lifts & escalators in Package 01. The matter is mentioned in detail in the PC-1 digest. This amount, if approved, may be paid to the SIDCL to undertake such rectification through their O&M contracts.
10. In this regard, a Re-Revised PC-1 (total cost of PKR 5847.436 million) is placed for the perusal and approval of the Competent Authorities i.e. Managing Director SMTA and Secretary TMTD for onward submission to the P&D department, GoS for consideration.

Rizwan Yousuf
03/11/22
Assistant Director (Infrastructure), SMTA

Rizwan Yousuf
D.D (Infrastructure)
Sindh Mass Transit Authority

Yousuf Munir
Dir (Infra & Planning)
Sindh Mass Transit Authority

Yousuf Munir
1.03/Nov/2022
Director (Infrastructure & Planning) / PD-OL
(Addl.Charge), SMTA

11. Managing Director, SMTA, GoS

Proposal at para 10/2 submitted for perusal and approval, please.
3/11

12. Secretary TMTD, GoS



**GOVERNMENT OF SINDH
TRANSPORT & MASS TRANSIT
DEPARTMENT**

SUBJECT: ADMINISTRATIVE APPROVAL

Sanction of the Government of Sindh is hereby accorded for issuance of Administrative Approval in respect of ADP Scheme No. 1900 viz "Construction of BRTS Orange Line (Revised) ADP # 1900) 2020-21 (Estimated Cost of Rs.4290.77 Million) (Local Components Rs.3.368 billion and FEC US\$5,866.077). The Revised PC-I has been approved by the PDWP in its meeting held on 11th March, 2021 and subsequently the Planning & Development Department has issued advice vide letter NO.SO(DEV)-PDWP-9/452-P&D/2021, dated 31.03.2021. The FEC is comprised of as under:-

- a) 12 m Diesel Hybrid Buses (20 Nos) (US\$ 3,110,600)
- b) Full spare parts package for BRTs vehicles from delivery of the vehicles through duration of contract (\$365,300)
- c) Supply of tools and diagnostic equipment for BRTs vehicles (\$12,200).
- d) IITS (hardware + Software + taxes @ 30%) (\$ 2377,977).

2. The above expenditure involved will be debited under the Head of Account "SC-22053(053) Economic Affairs (Capital) 045-Construction and Transport 0452 Road Transport 045203-Road Transport 045203-Road Transport SC-22051(51) Dev. Revenue-4 Economic Affair -045 Construction Transport 0452 Road Transport-045203 Road Transport 2020-21.

3. All the required codal formalities as laid down in this regard and Finance Department's instructions will be followed strictly.

S. Ahmed
SECRETARY TO GOVERNMENT OF SINDH

Transport & Mass Transit Deptt.

NO.FD(DEV-VI) 5(6) Transport/2014-15. Karachi, dated the 31st March, 2021

A copy is forwarded for information and necessary action to the Accountant General, Sindh, Karachi.

S. Ahmed
**SECTION OFFICER (DEV-VI)
FINANCE DEPARTMENT
GOVERNMENT OF SINDH**

NO.SO(Gen.)/orange. Line/BRT/2019/20

Karachi, dated the March, 2021

A copy is forwarded for information and necessary action to:-

1. The Managing Director, Sindh Mass Transit Authority, TMTD, Karachi.
2. Director (IT) (B&E), Finance Department, Govt. of Sindh, Karachi.
3. Incharge Emboss Section (B&E Wing), Finance Department, Govt. of Sindh, Karachi.
4. The Chief (Transport), Planning & Development Department, Govt. of Sindh, Karachi.
5. The PS to Secretary, Transport & Mass Transit Department, Govt. of Sindh, Karachi.

**SECTION OFFICER (Dev.)
For Secretary to Government of Sindh**



GOVERNMENT OF SINDH
FINANCE DEPARTMENT

SUBJECT: ADMINISTRATIVE APPROVAL.

The Secretary to Government of Sindh, Transport & Mass Transit Department, Karachi may kindly refer to his department's letter No. SO(Gen.)/orange. Line/BRT/2019/20 Dated 31.03.2021 on the subject noted above.

2. Two copies of Administrative Approval at a cost of Rs.4,290.770 Million (Rupees Four Thousand Two Hundred Ninety Million & Seven Hundred Seventy Thousand Only) in respect of ADP Scheme namely "Construction of BRTs Orange Line (Revised)" reflected at Gen. Sr. No.1900 / 2020-21, is sent herewith duly authenticated by this department for taking further necessary action. The details of approved cost of Rs.4,290.770 million with local components Rs.3.368 billion and FEC US\$ 5,866.077, are as under:-

Sr. No.	FEC comprises of :-
a)	12m Diesel Hybrid Buses (20 Nos) (US\$ 3,110,600)
b)	Full Spare Parts Package for BRTs vehicles from delivery of the vehicles through duration of contract (\$365,300)
c)	Supply of tools and diagnostic equipment for BRTs vehicles (\$12,200)
d)	IITS (hardware + software + taxes @ 30%) (\$2377,977)

Encls: As above.


FARAZ AHMED SIDDIQUI
SECTION OFFICER (DEV-VI)

To, ✓

The Secretary to Government of Sindh,
Transport & Mass Transit Department,
KARACHI.

NO.FD.SO(DEV-VI)5(6)/Transport/2014-15

Karachi dated the 13th April, 2021



MOST URGENT

ANNEXURE B

No. P&D/C-T/BRT O.L./03/2017-18 (Vol-II)
GOVERNMENT OF SINDH
PLANNING AND DEVELOPMENT DEPARTMENT
(TRANSPORT & MASS TRANSIT SECTION)
Karachi, dated June 14, 2022

✓ The Secretary to Government of Sindh,
Transport & Mass Transit Department,
Karachi.

*M-4
Review
put up Today*

15/6

*16/6
S.O (C)*

SUBJECT: ADDITIONAL FUNDS REQUIRED AS (CAPEX & OPEX) TO BE PAID TO SINDH INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED (SIDCL) AND TO SINDH MASS TRANSIT AUTHORITY (SMTA) FOR COMPLETION OF REMAINING WORK OF ORANGE LINE BRT IN CURRENT FINANCIAL YEAR.

I am directed to refer the above subject and to enclose herewith original Minutes of meeting duly countersigned by the Worthy Chairman, P&DB held on 7th June, 2022 under the Chair of Chairman, Planning & Development Board, Karachi along with reconciliation statement for SIDCL for compliance of recommendations under intimation to this department.

(Signature)
14/06/22

(ABDUL WAHAB QURESHI)
PLANNING OFFICER (TRANSPORT & M.T)
021-99212957

Copy forwarded with complements to:

1. PS to Chairman, P&D Board, Government of Sindh, Karachi.
2. PS to Member (E&I), P&D Board, Government of Sindh, Karachi.
3. Office file.

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PLANNING OFFICER (TRANSPORT & M.T)

No PS/SECY/ 1308/16
Dated: 15-06-2022
TRANSPORT DEPT.

16/06/2022

**MINUTES OF MEETING UNDER THE CHAIR OF CHAIRMAN, P&D
BOARD, GOVERNMENT OF SINDH HELD ON 7th JUNE, 2022 AT P&D
DEPARTMENT, GOVERNMENT OF SINDH**

Additional funds required as CAPEX or OPEX to be paid to SIDCL and to SMTA for completion of remaining works of Orange BRT project in CFY

In continuation to the first meeting held on 24th May 2022, the second meeting was held on 7th June 2022 on the subject matter and was chaired by Worthy Chairman P&D Board. The meeting was attended by the Secretary, Finance, Additional Secretary, Finance, Director, Internal Auditor Finance, MD, SMTA, Director Infra, SMTA, Director Finance, SMTA and Chief, TMT Section, P&D Department.

2 The Chair was briefed by sub-committee comprising of Chief (TMT), P&DD, Director, (Infra SMTA) and Director, Internal Audit, FD regarding reconciliation statement for SIDCL wherein an amount of Rs. 990.983 million has been worked out whereas an amount of Rs.407.0 million has already been provided during current year allocation and hence reducing the total requirement Rs.583.983 million which is within the approved heads taken in the revised PC-I.

3 It was briefed to the forum that as per the Facilitation and Implementation (F&I) agreement between the SIDCL and TMTD, the Government of Sindh has to pay to the SIDCL on demand, any actual charges for Orange BRT project (clause mentioned below for ready reference):

"Besides estimated costs for procurement and operations, GoS shall pay SIDCL, on demand, any actual charges for the Orange Line BRTS' procurement and operations, including increase in price under Project Contracts due to variation, taxes and insurance charges"

4 It was also briefed to the forum that as per statement given by SIDCL vide letter dated 25th May, 2022 which verifies that Rs.994.096 million have been received by them and out of that Rs.260.033 million are in saving. Further statement reveals that the funds are not utilized by SIDCL as per amount released against the different heads maintained by the TMT Department. However, the chair commented that the funds to be transferred to the SIDCL in an escrow account and that there has to be an escrow agreement between the SIDCL and Government of Sindh as per clause mentioned below for ready reference:

"SIDCL may elect to issue notice to proceed under the relevant Project Contracts only after GoS has deposited relevant funds in the designated account of the National bank of Pakistan. The aforesaid designated account maintained by SIDCL with the National Bank of Pakistan shall be an escrow account. SIDCL and GoS shall additionally enter into an escrow agreement (In line with the terms and conditions for funding under this Agreement) in relaxation to, inter alia, the obligations of: (i) the GoS to deposit the funds into the designated escrow account and (ii) the SIDCL for utilization of amounts in the designated ESCROW account for the establishment of the LC and making payments under the relevant Project Contracts".

5 The forum deliberated the entire matter in detail and following recommendations were taken place for considering the directives on completion and operationalization of Orange BRT project:-

RECOMMENDATIONS:

- (i) The TMTD and the SIDCL must enter in to an escrow agreement, in compliance with the F&I agreement, specifying terms and conditions of utilization with respect to specific heads of PC-1. This is important so that proper record and follow-up on expenditures may be maintained.
- (ii) SIDCL will submit detail audit report to the TMT Department based on update releases and expenditure as per revised PC-I.
- (iii) The Re-revision of the PC-1 (current approved cost PKR 4.290 billion) to be carried out considering the completion of Orange BRT, additional works undertaken based on the SIDCL observations and subsequent operation of Orange BRT.
- (iv) In the Re-revised PC-1; an *Exigency head* to be incorporated to cater for variations in cost estimates specifically during the operationalization of Orange BRT project, with detailed rationale and documentary evidence to be recorded in the Re-revised PC-1.
- (v) A total sum of PKR 583.983 million can be provided to the SIDCL in the current FY as an additional demand from outside budget after approval from Cabinet Sub-committee on financial matters. If the amount is not arranged in current financial year than the said amount of Rs.583.983

million will be released from ADP 2022-23 where Rs.1136.383 million are allocated against the BRT Orange Line Project. (Detail excel sheet showing the head wise requirement of Rs.583.983 million is attached).

- (vi) The remaining demand of the SIDCL will be provided once the re-revision of the PC-1 is carried out.
- (vii) The demand of additional funds of Rs.60.00 million for SMTA was not considered and suggested to incorporate in re-revised PC-I which must be submitted immediately after consultation with SIDCL.

RECONCILIATION STATEMENT FOR SIDCL

Share of SIDCL as per revised approved PC-1 Rs. 2,120 billion

S. No.	Item name as per approved revised PC-1	Approved Cost as per PC-1	Amount already paid to SIDCL	Balance amount to be paid to SIDCL	Total Amount (4+5)	Excess Amount	Savings	Demand of SIDCL	Proposed amount as per Summary	7th June 2022 as per Final Committee Meeting	Remarks
1	12 meter diesel hybrid buses 20 Nos	407,600,000	562,993,323	-	562,993,323	65,297,323	-	-	-	-	-
2	Full spare parts packages for BRTs in Vehicles from the delivery of the vehicle through the duration of the contract (B1/A)	58,448,000	58,448,000	-	58,448,000	-	-	558,096,000	-	-	-
3	Supply of Tools and diagnostic equipment for BRTs vehicles (B1/B)	1,952,000	1,952,000	-	1,952,000	-	-	-	-	-	-
4	ITTS Hardware + Software Taxes at 5%	441,112,626	89,734,113	351,378,513	441,112,626	-	351,378,513	290,981,128	261,883,015	261,883,015	ITTS important for operation
5	16% taxes for buses	179,170,560	179,170,000	-	179,170,000	-	-	202,499,798	202,499,798	-	-
	Total	1178,279,186	892,297,436	351,378,513	1,243,675,949	65,297,323	351,378,513	1,051,576,926	464,392,813	261,883,015	
6a	Bus Opn & O&M	42,957,336	102,198,000	-	102,198,000	59,240,664	-	-	-	-	-
6	ITTS Operation	33,700,000	-	33,700,000	33,700,000	-	33,700,000	110,095,987	110,095,987	33,700,000	ITTS operation is routine matter for bus operation
7	ITTS Maintenance (2 years warranty + 1 year O&M)	44,000,000	-	44,000,000	44,000,000	-	44,000,000	-	-	44,000,000	ITTS operation is routine matter for bus operation
8	Station Management	129,600,000	-	129,600,000	129,600,000	-	129,600,000	320,426,767	106,340,161	129,600,000	Station Management included security, cleaning maintenance
9	Operation unit	60,000,000	-	60,000,000	60,000,000	-	60,000,000	60,000,000	60,000,000	60,000,000	Important for bus operation
10	Maintenance Supervisor of vehicles	40,736,000	-	40,736,000	40,736,000	-	40,736,000	40,736,000	40,736,000	40,736,000	Important for bus operation
11	Maintenance Training Program	448,000	-	448,000	448,000	-	448,000	448,000	448,000	448,000	Important for bus operation
12	Drivers Training Program	368,000	-	368,000	368,000	-	368,000	368,000	368,000	368,000	Important for bus operation
13	Completion of ITC vehicles Home location, registration & Licensing for BRTs vehicles	16,512,000	-	16,512,000	16,512,000	-	16,512,000	16,512,000	16,512,000	16,512,000	Important for bus operation
	Total Subsidy required	364,321,336	102,198,000	325,364,000	427,562,000	59,240,664	325,364,000	548,586,754	334,500,148	325,364,000	
14	Add 2% consultancy charges design transaction, legal and operation advisory	30,934,010	-	30,934,010	30,934,010	-	30,934,010	51,937,623	51,937,623	30,934,010	Administrative requirement
15	Add 2% configuration (software) budget/price variation security	30,934,010	-	30,934,010	30,934,010	-	30,934,010	155,810,742	160,343,737	30,934,010	Due to price variation
16	Add 2% insurance of Govt. asset (0.7% per year)	30,934,010	-	30,934,010	30,934,010	-	30,934,010	67,931,952	67,931,952	30,934,010	Administrative requirement
17	Add 2% establishment charges of SIDCL	30,934,010	-	30,934,010	30,934,010	-	30,934,010	30,934,010	30,934,010	30,934,010	Administrative requirement
18	Improvement in left infrastructure (physical integration and infrastructure maintenance)	450,000,000	-	450,000,000	450,000,000	-	450,000,000	450,000,000	290,000,000	280,000,000	Physical integration of O.L. and G.L. infrastructure maintenance for one year and consultancy cost.
	Total	573,736,040	-	573,736,040	573,736,040	-	573,736,040	756,614,337	601,147,322	403,736,040	
	Total to be given to SIDCL	2,120,436,562	994,495,436	1,250,478,553	2,244,973,989	(124,537,987)	(1,250,478,553)	2,356,778,007	1,400,030,283	990,943,055	
	Amount already in process									(407,600,000)	
	Proposed amount recommended									583,373,055	

Total proposed amount (outside budget) recommended to be paid to SIDCL, in the current FY. This total amount is within the overall approved Revised PC-1 as well as within each approved head, as agreed in the committee meeting on 7th June 2022



No. SO(G)/O.L-Addl.fund/2021
GOVERNMENT OF SINDH
TRANSPORT & MASS TRANSIT
DEPARTMENT

Karachi, dated 17th June, 2022

To,

The Honorable
Mr. Imtiaz Ahmed Shalkh,
Minister for Energy/ Chairman,
Sub-Committee on Financial matter,
Karachi

SUBJECT: ADDITIONAL FUNDS REQUIRED (AS CAPEX & OPEX) TO BE PAID TO SIDCL AND TO SMTA FOR COMPLETION OF REMAINING WORKS OF ORANGE BRT IN THE CURRENT FINANCIAL YEAR.

Sir,

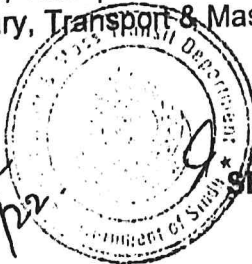
I am directed to refer to the subject noted above and to enclose herewith copy of summary vide diary No.161, dated 14.03.2022 duly approved by the Honorable Chief Minister Sindh along with minutes of meeting held on 07.06.2022 under the Chairmanship of Worthy Chairman, P&D Board and reconciliation statement for SIDCL regarding sanction of Rs.583.983 million as an additional funds from out side budget.

2. It is, therefore, requested that the matter/item may be placed before the forthcoming meeting of Sub-Committee of Cabinet on Financial matters for sanction of **Rs.583.983 million** as an additional funds from out side budget in the light of approved summary and recommendations of Chairman,P&D Board for payment to SIDCL as requested.


SECTION OFFICER (GENERAL)
For Secretary to Government of Sindh

A copy is forwarded for information to:

- The Secretary (GA), SGA&CD, Karachi.
- The Deputy Secretary (Cabinet) SGA&CD, Karachi
- The P.S to Minister, Transport & Mass Transit, Sindh, Karachi.
- The P.S to Secretary, Transport & Mass Transit Department, Karachi.




SECTION OFFICER (GENERAL)

ANNEXURE - C

FINAL COST ESTIMATES - ORANGE BRT PROJECT

Original PC-1 (2015)			Revised PC-1 (2021)		Re-Revised PC-1 (2022)	
S. No.	Description	Original PC-1 Amount (Rs.)	Revised PC-1 Amount (Rs.)	Comments	Re-Revised PC-1 Amount (Rs.)	Comments
A Infrastructure						
1	Total Construction Cost	1,413,247,614	1,413,247,614	The construction works are on-going. Remaining construction works can be finished within this amount.	1,471,197,004	The Construction works are almost completed and the contracts are anticipated to be closed within this provision.
2	Design Cost [1% of Total Construction Cost (1)]	14,132,476	18,387,032	No additional expenditure is expected under this head.	18,387,032	Same as before
3	Geotechnical Investigation	6,000,000	3,000,000	No additional expenditure is expected under this head. The savings under this head may be re-appropriated as per the approval of the P&D department.	3,000,000	Same as before
4	Environmental Impact Assessment	5,000,000	1,000,000	No additional expenditure is expected under this head. The savings under this head may be re-appropriated as per the approval of the P&D department.	1,000,000	Same as before
5	Detailed Supervision [2% of Total Construction Cost(2)]	28,264,952	200,121,728	The Revised amount includes Consultant's monthly fees till September 2022 and also till end of DLP i.e August 2023.	251,833,245	The revised amount includes the Consultant's monthly fees till September 2022 including DLP i.e. August/September 2023 and retention monies.
6	Design Vetting Consultant [1% of Const Cost(1)]	14,132,476	-	This head is no more needed since the construction has not been undertaken in EPC.	0	Same as before
7	Establishment Charges [4.8% of Total Construction Cost (1)]	28,264,952	58,515,545	The Revised amount includes monthly PMU expenditures till end of DLP i.e June 2022. This includes operational expenditures like office rent, purchase of vehicles, equipment, furniture, utility, travel allowance, staff salaries. To be considered as REVENUE component.	100,000,000	An expenditure of total of PKR 7,714,406/= has been made in this head in FY 2021-22. This additional proposed amount of PKR 33,770,049 includes salary component of two PMU officers (Admin & Account Officer and IT Manager) and other operational expenditures (Annexure-26)
8	Third Party Monitoring [1% of Total Construction Cost (1)]	14,132,476	-	This head is being deleted as per decision of Technical Committee Meeting, P&D.	0	Same as before
9	Utility Relocation	200,000,000	266,900,643	No additional expenditure is expected under this head. PKR 260,358,291/= has been spent under this head already.	296,366,501	PKR 260,358,291 + PKR 11,008,210. An Amount of 11,008 M spent in water connections at bus depot and bus station [04 No.] and K-Electric cables at bus depot (Annexure-27). A provision of an amount of Rs. 25 million is made to anticipate any utility work will encounter during 3 years bus operation on Orange line corridor (for e.g. possible water leakage issues)
10	Platform Screen Doors (32 No.)	-	92,571,869	This is an additional item that must be installed at all four stations to ensure operational integration with Green BRT project.	133,547,100	PSD bid price from Package-3. However, 28 No. PSDs have been installed at Orange Line as per stations design.
11	Generator (400 kVA, 415 volt)	-	17,224,862	Reference to the SIDCL visit to BRT depot of OL and SIDCL letter NO. SIDCL/CFO/2021/8529 dated 9th February 2021 regarding the mandatory condition to install wastewater treatment plant as per directives from SEPA. Please see this letter, an email from NESPAK dated 19th February 2021 and details of this cost/rates attached in Cost Estimates section. The cost of sheds over the washing / maintenance areas can be borne from the Total Construction Cost (1) and no separate cost needs to be added for this.	26,104,200	Generator bid price from Package-3. However, 350 KVA generator has been installed as per bus depot design.
12	Wastewater Treatment Plant facility	-	10,000,000		18,610,000	From bid price Package-4
	Sub Total	1,723,174,946	2,080,969,293		2,320,045,082	

FINAL COST ESTIMATES - ORANGE BRT PROJECT

Original PC-1 (2015)			Revised PC-1 (2021)		Re-Revised PC-1 (2022)	
S. No.	Description	Original PC-1 Amount (Rs.)	Revised PC-1 Amount (Rs.)	Comments	Re-Revised PC-1 Amount (Rs.)	Comments
13	Contingency (3%)	51,695,248	-	This head is being deleted as per decision of Technical Committee Meeting, P&D.	69,601,352	A provision proposed of an amount of Rs. 69,601 M for unexpected price changes due to inflation and anticipated utilities issues [i.e. K-Electric, SSGC, KWSB etc.]. This is also proposed to be considered to cater for any unforeseen expenses during the closure of the contracts.
	Total	1,774,870,194	2,080,969,293		2,389,646,434	
14	Escalation Amount (Rs.)	89,367,000	89,367,000	The claims have been processed considering the current Extension of Time (EOT) approved by the Consultant. Further claims (if any) may be covered under the head of Total Construction Cost (Head# 1).	350,000,000	PKR 140,017 M has already been paid in terms of escalations, based on contractual provisions and as recommended by the Consultant. Additional provision is included for the anticipated amount based on the final extensions of time and entire billings yet to be determined before the closure / finalization of contracts.
15	Retention Monies to be returned to the Contractors	0	0	N/A	65,672,604	The retention monies (5% against verified running bills) amounting to Rs. 65,672,604 has to be returned to the Contractors.
16	Total Cost of Infrastructure, Design, Supervision and Relocation	1,864,237,194	2,170,336,293	Additional amount of PKR 295,194,577 includes regularization of the expenditures paid in addition to the approved amount under respective heads as well as the cost of PSD (head # 10). Part of this amount may be reappropriated within the heads of approved PC-1 as per the approval of the PKD Department.	2,805,319,038	This difference of PKR 566,965 million mainly attributes to the provision kept in anticipation of infrastructure contracts closure, increased bid prices under item # 10, 11 & 12 and establishment charges
Revised PC-1 (2021)						
Buses & ITS Equipment (Capex Cost) provided by the SIDCL						
S.No	Description	Amount	Comments	Re-Revised PC-1 (PKR)	Comments	
1	12 m Diesel Hybrid Buses (20 Nos.)	\$3,110,600	Cost of 1 bus = USD 155,530/ as per the financial bid opened by SIDCL (Letter-SIDCL(GLBRTS)/COO/2020/8010 dated 3rd November 2020)			
2	Full spare parts package for BRTS vehicles from the delivery of the vehicle through the duration of the contract (B1a)	\$365,300	Reference to a letter from SIDCL after the Technical Committee was held vide SIDCL(GLBRTS)/COO/2020/8395 dated 11th January 2021 wherein SIDCL clarified that these are ancillary heads to be considered part and parcel of bus procurement and whose costing was missed in the cost summary sheet earlier. These are the items associated with the procurement of buses. And to be paid in US dollar. Please note that the cost of the buses i.e USD 3,110,600 is counted only once in the total sum. Although the same is mentioned twice in this summary.	677,572,145	Cost of Buses Rs. 677,572 Million (USD - 3,488 Million). Taxes includes (LC) paid on import of buses and its parts. Detail breakup of cost as at Annexure-A*	
3	Supply of tools and diagnostic equipment for BRT's vehicles (B1b)	\$12,200				
4	Taxes & Duties (Buses, Spare Parts & Tools)	PKR 179,170,560		235,320,963		

FINAL COST ESTIMATES - ORANGE BRT PROJECT

Original PC-1 (2015)			Revised PC-1 (2021)		Re-Revised PC-1 (2022)	
S. No.	Description	Original PC-1 Amount (Rs.)	Revised PC-1 Amount (Rs.)	Comments	Re-Revised PC-1 Amount (Rs.)	Comments
5	ITS (Hardware + Software)	\$2,377,977		Procurement for ITS hardware and software including taxes to be undertaken under this head		Detailed breakup of cost as at <u>Annexure-B*</u> . Contract cost of ITS Package A of PKR 205,898M and Package B of PKR 85,083M is inclusive of all taxes and duties.
6	ITS taxes & duties (Hardware + Software)	PKR 60,636,306			310,583,815	
	Total	\$5,866,077	239,806,866	TOTAL USD 5,856,077/- is to be paid as Foreign Exchange Component in USD	1,223,476,923	Excess of PKR 45,097 million has been demanded by SIDCL under this head.
	Total (A) in PKR		1,178,379,186		1,223,476,923	

(OPEX COST)			Amount in PKR (3 years)	Comments	Re-Revised PC-1 (Rs.)	Comments
5a	Bus Ops O&M	187,234,740	561,704,220	BRT operations are covered under this head. Fare revenue is calculated at an average Fare of PKR 22 per passenger. Non - Fare revenue is taken at 3% of the Fare Revenue because of fewer stations on the Orange BRT corridor. Ridership of Orange BRT 24,225 passengers / day (analyzed by Consultants)	475,081,443	Detail breakup of Bus Operator cost at Rs 156/KM as at <u>Annexure-C*</u> . Bus Operator cost is net of Fare Revenue.
5b	Total Revenue (Fare + Non-Fare)	172,915,628	-518,746,884		-61,320,000	
5c	Operations Deficit (5a-5b)	14,319,112	42,957,336		413,761,443	
6	ITS Operations	11,230,000	33,700,000	ITS operations are covered under this head. Details provided in the cost estimates.	120,493,300	ITS Maintenance and support cost for Package-A & B of Rs. 46,496 million and Rs. 63.60 million respectively. Cost basis as at <u>Annexure-B*</u> .
7	ITS Maintenance (2 yrs warranty + 1 year S&M)		44,000,000	Maintenance of ITS equipment is covered under this head.		
8	Station Management	43,200,000	129,600,000	Expenditures related to security, cleaning and minor maintenance	391,588,727	It covers the cost of station management and cleaning house (Fund Management). Detailed breakup of Cost as at <u>Annexure-D1*</u> & <u>Annexure-D2*</u> .
9	Operation Unit	20,000,000	60,000,000	Exclusive unit under SIDCL to look after BRT operations and maintenance	60,000,000	Same as before.
		USD	PKR			
10	Maintenance supervision of vehicles	\$254,600	40,736,000	Reference to a letter from SIDCL after the Technical Committee was held vide SIDCL(IGL/BRTS)/COO/2020/8395 dated 11th January 2021 wherein SIDCL clarified that these are ancillary heads to be considered part and parcel of bus procurement and whose costing was missed in the cost summary sheet earlier. These are the items associated with the procurement of buses. Please note that the cost of the buses i.e USD 3,110,600 is counted only once in the total sum. Although the same is mentioned twice in this summary.	42,429,090	Service cost for Bus Maintenance is USD 362,900 at fixed dollar rate of PKR 166.65 for 3 years. Detailed cost breakup is at <u>Annexure A*</u>
11	Maintenance training program	\$2,800	448,000		466,620	
12	Driver training program	\$2,300	368,000		383,295	
13	Completion of full vehicle homologation, registration and licensing for BRTS vehicles	\$103,200	16,512,000		17,287,591	
	Total Subsidy Req. (B) (5C+6+7+8+9+10+11+12+13)		368,321,336	PKR 368,321,336/- is to be paid as Pak Rupee Component	1,046,410,066	Enhanced by PKR 678,088,730

FINAL COST ESTIMATES - ORANGE BRT PROJECT

Original PC-1 (2015)			Revised PC-1 (2021)		Re-Revised PC-1 (2022)	
S. No.	Description	Original PC-1 Amount (Rs.)	Revised PC-1 Amount (Rs.)	Comments	Re-Revised PC-1 Amount (Rs.)	Comments
	Total (A+B)	1,546,700,522			2,269,886,989	
14	Add 2% Consultancy Charges (Design, Transaction, Legal and Operations Advisory)	30,934,010	30,934,010	Consultancy services required for designing integration and operationalization of the ASE BRT. Details provided in the cost estimates	66,536,146	Refer to the detailed breakup of cost as at Annexure-E* for actual charges to be incurred as per the contract. Cost of Consultancy Contracts is charges at 16% to Orange Line.
15	Add 2% Contingencies (Unforeseen/Hedging/Price Variation / Ancillary)	30,934,010	30,934,010	Unexpected price changes due to foreign exchange component and inflation.	45,397,740	Enhanced by PKR 14,463,730.
16	Add 2% Insurance of Government Asset (0.67% per year)	30,934,010	30,934,010	Insurance cost necessary to secure the government assets considering any unfavorable circumstances.	54,898,351	Determined on the basis of one year premium paid to NICL for Marine, Motor & Fire insurance for buses and ITS equipment. Detailed breakup of cost as at Annexure-F*
17	Add 2% Establishment Charges of SIDCL	30,934,010	30,934,010	Administrative expenditures of the SIDCL establishment are covered under this head.	45,397,740	Enhanced by PKR 14,463,730.
18	Improvement in Infrastructure (Physical Integration & Infrastructure Maintenance)	450,000,000		Cost of physical integration of ASE and Green BRT and annual maintenance of the ASE BRT dedicated corridor for 3 years rationalized after Technical Committee Meeting.	500,000,000	Due to increase in price of Steel, Bitumen, Cement and etc.
19	Rectification of Lifts/Escalators	0	0		60,000,000	Proposed amount to be paid to the SIDCL for rectification of Lifts/Escalators through their O&M contract. This amount is currently not included in the estimates provided by SIDCL. Once approved, the SIDCL will be asked to undertake this rectification through their O&M contracts.
	TOTAL (to be given to SIDCL)	2,120,436,564		To be considered as REVENUE component.	3,042,116,966	Difference of PKR 921 680 million as compared to the earlier approved amount including PKR 60million for rectification of Lifts/Escalators. Under Revenue head
	TOTAL Revised PC-1 Cost	4,290,772,857			5,847,436,004	Difference of PKR 1556.633 million as compared to the earlier approved PC-1 amount.